

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

COMPACT FLORIBUNDA  
ROSE PLANT NAMED

'POULac010'

## SUMMARY OF THE INVENTION

### BOTANICAL CLASSIFICATION

*Rosa hybrida*

### VARIETY DENOMINATION

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'POULac010'

The present invention constitutes a new and distinct variety of garden rose plant which originated from a controlled crossing between a female parent 'POULmax',  
10 described and illustrated in U.S. Plant Patent Application No. 10/192,746 issued on July 9, 2002 and the unnamed male parent. The two parents were crossed during the summer of 1992 and the resulting seeds were planted in a controlled environment in Fredensborg, Denmark. The new variety is  
15 named 'POULac010'.

The new variety may be distinguished from its female seed parent, 'POULmax' by the following combination of characteristics:

1. While the seed parent 'POULmax' has a  
20 flower bud color of Red Group 46C to 47D the same of 'POULac010' is Red-Purple Group 58A to 58B.
2. While the seed parent 'POULmax' has a  
petal count of 18 to 22 petals the same of  
25 'POULac010' is 36.

3. While the seed parent 'POULmax' has a general tonality of Red Group 43C the same of 'POULac010' is Red-Purple Group 58C.

5           The new variety may be distinguished from its unnamed male pollen parent, by the following combination of characteristics:

1. While the pollen parent has flower tonality which is true red, 'POULac010' is Red-Purple Group 58D.
2. While the pollen parent has a larger flower bud size than that of 'Poulac010'.

15           The objective of the hybridization of this rose variety was to create a new and distinct variety for garden use with unique qualities, such as:

1. Uniform and abundant pink flowers;
2. Vigorous, but compact growth when propagated both as a budded rose and on its own roots;
3. Disease resistance.

25           This combination of qualities is not present in previously available commercial cultivars of this type, known to the inventors, and distinguish 'POULac010' from all other varieties of which we are aware.

As part of their rose development program, L. Pernille Olesen and Mogens N. Olesen germinated the seeds from the aforementioned hybridization during winter of 1992 and conducted evaluations on the resulting seedlings in a controlled environment in Fredensborg, Denmark.

'POULac010' was selected in the spring 1993 by the inventors as a single plant from the progeny of the aforementioned hybridization.

Asexual reproduction of 'POULac010' by traditional budding and rooted cuttings was first done by L. Pernille and Mogens N. Olesen in their nursery in Fredensborg, Denmark in July, 1993. This initial and other subsequent asexual propagations conducted in controlled environments have demonstrated that the characteristics of 'POULac010' are true to type and are transmitted from one generation to the next.

#### **BRIEF DESCRIPTION OF THE DRAWING**

The accompanying color illustration shows as true as is reasonably possible to obtain in color photographs of this type, the typical characteristics of the buds, flowers, leaves, and stems, of 'POULac010'. Specifically illustrated in SHEET 1:

Fig 1.1; Open flower, and cluster of open

flowers, showing branching, and the  
attachment of leaves, buds, and  
peduncles;

Fig 1.2; Sepals, peduncles, receptacles;

5 Fig 1.3; Flower petals, detached;

Fig 1.4; Compound leaf;

Fig 1.5; Bare stem exhibiting thorns.

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#### DETAILED DESCRIPTION OF THE VARIETY

The following is a description of 'POULac010', as  
observed in its growth in a field nursery in Jackson  
County, Oregon. Observed plants were budded on to *Rosa*  
15 *multiflora* root stock and are 3 years of age. Color  
references are made using the Royal Horticultural Society  
(London, England) Colour Chart, 1995, except where common  
terms of color are used.

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For a comparison, several physical characteristics  
of the rose variety 'Poulmona', a rose variety from the  
same inventors described and illustrated in U.S. Plant  
Patent Application No. 10/211,119 dated August 2, 2002,  
are compared to 'POULac010' in Chart 1.

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CHART 1

		'POULac010'	'POULmona'
5	General tonality	Red-Purple Group 58C	Red-Purple Group 58B
	Petalage	45 petals	25 to 30 petals
10	Bud Color at 1/4 open.	Red-Purple Group 58 A to 58 B	Red-Purple Group 58 B and C
15	Compound leaf measurements	80 mm (l) x 45 mm (w)	90 mm (l) x 75 mm (w)

**Parents:**

Female Seed Parent: 'POULmax'

Male Pollen Parent: Unnamed plant

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**FLOWER AND FLOWER BUD**

**Blooming habit:** Continuous.

**Flower bud:**

25                      **Size:**                      Upon opening, 27 mm in length from base of receptacle to end of bud.

**Bud form:**                      Pointed ovoid.

Bud color: As sepals unfold, petals are  
Red-Purple Group 58A to 58B.

Sepals:

Upper Surface:

5 Color: Yellow-Green Group 144B to  
144A.

Surface: Moderately pubescent.

Lower Surface:

10 Color: Yellow-Green Group 144B.  
Sepal Shape: Sepal apex is cirrhose.  
Base is flat at union with  
receptacle.

15 Sepal Margin: Margins have no foliaceous  
appendages on three of the  
five sepals.

Size: 21 mm (l) x 7 mm (w).

Receptacle:

20 Surface Texture: Smooth.  
Shape: Urn-shaped.  
Size: 6 mm (h) x 6 mm (w).  
Color: Yellow-Green Group 144A.

Peduncle:

25 Surface: Smooth and glabrous.  
Length: 30 to 35 mm in length.  
Color: Yellow-Green Group 144A.



Open flower,

upper part: flat.

lower part: concave.

Petalage: 45 petals under normal conditions

5 with 12 petaloids.

**Color:**

Upon opening, petals:

Outermost petals:

10 Outer side: Red-Purple Group 58A to 58B.

Inner Side: Red-Purple Group 58C.

Innermost petals:

Outer side: Red-Purple Group 58B to 58C.

15 Inner Side: Red-Purple Group 58C.

Upon opening, basal petal spots:

Outermost petals:

Outer side: Yellow Group 5B.

Inner Side: Yellow Group 5B.

20 Innermost petals:

Outer side: Yellow Group 5B.

Inner Side: Yellow Group 5B.

After opening, petals:

Outermost petals:

25 Outer side: Red-Purple Group 58D with

light intonations of Red-  
Purple Group 58B.

Inner Side: Red-Purple Group 58D.

Innermost petals:

5                      Outer side: Red-Purple Group 58 with  
light intonations of Red-  
Purple Group 58B.

Inner Side: Red-Purple Group 58D.

After opening, basal petal spots:

10                    Outermost petals:

Outer Side: Yellow Group 5C.

Inner Side: Yellow Group 5C.

Innermost petals:

Outer Side: Yellow Group 5C.

15                    Inner Side: Yellow Group 5C.

**General Tonality:** On open flower Red-Purple Group  
58C. No change in the general  
tonality at the end of the 10th  
20                    day.

**Petals:**

Petal Reflex: Somewhat reflexed.

Margin: Entire and uniform.

Shape: Apex: Round.

25                    Base: Acute.

Size: Variable. Outer petals are 30 mm(l) x 30 mm(w). Inner petals are 28 mm (l) x 15 mm (w).

Texture: Smooth.

5 Thickness: Average.

Arrangement: Not Formal.

**Petaloids:**

Quantity: 10 to 15.

Color:

10 Upper Surface: Red-Purple Group 58D.

Lower Surface: Red-Purple Group 58D.

Size: 23 mm (l) x 15 mm (w).

Shape: Apex is rounded. Base is acute.

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**Reproductive Organs:**

Pistils:

Length: 4 mm.

Quantity: 35.

20 Pollen: None observed.

Anthers:

Size: 2 mm in length.

Color: Greyed-Yellow Group 162A.

Quantity: 40 (actual count).

25 Filaments:



**Thorns:**

Incidence: 14 thorns per 10 cm of stem.  
Size: Average length: 6 mm.  
Color: Greyed-Orange Group 175B.  
5 Shape: Concave.

**Plant foliage:** Normal number of leaflets on  
normal leaves in middle of the  
stem: 5 to 7 leaflets.

10 Compound Leaf size: On average, compound  
leaves are 80 mm in length  
by 45 mm wide.

Color:

Mature Foliage:

15 Upper surface is Yellow-Green Group  
147A to 147B. Lower surface is  
Yellow-Green Group 146B.

Juvenile foliage:

20 Upper surface is Yellow-Green Group  
144A with intonations of Yellow-Green  
Group 152A. Lower surface is Yellow-  
Green Group 144A with Yellow-Green  
Group 152A. Anthocyanic intonations  
the color of Greyed-Orange Group 173A  
25 observed.

Anthocyanin:

Location: New shoots and leaves.

Color: Greyed-Orange Group 173A.

5           **Plant leaves and leaflets:**

          Stipules:

          Size:               25 mm in length.

          Quantity:       2 per compound leaf.

10               Margins:       Medium to average quantity  
                                  of stipitate glands  
                                  observed.

          Color:            Yellow-Green Group 144A.

          Petiole:

          Length:           27 mm.

15               Color:       Yellow-Green Group 144A to  
                                  144B. Anthocyanic  
                                  intonations the color of  
                                  Greyed-Red Group 181A  
                                  observed.

20               Underneath:   Prickles.

          Observations:   Few stipitate glands on  
                                  upper surface.

          Rachis:

          Length:           35 to 40 mm.

25               Color:       Yellow-Green Group 144A to

144B.

Underneath: Prickles.

Observations: Few stipitate glands on upper surface.

5 Leaflet:

Margins: Doubly serrated.

Size: Average size of the terminal leaflet on normal leaves 22 to 30 mm (l) x 16 to 27 mm (w).

10 Shape: Ovate to round. Leaflet base is cuneate. Leaflet apex is cuspidate.

Arrangement: Odd pinnate.

15 Venation: Reticulate.

Texture: Smooth.

Glossiness: Glossy.

**Disease resistance:**

20 Above average resistance to mildew, rust, black spot, and Botrytis under normal growing conditions in Jackson County, Oregon.

**Cold Hardiness:**

25 The variety 'POULac010' has been found to be cold tolerant to USDA Cold Hardiness Zone 6.